

## Patent Abstracts of Japan

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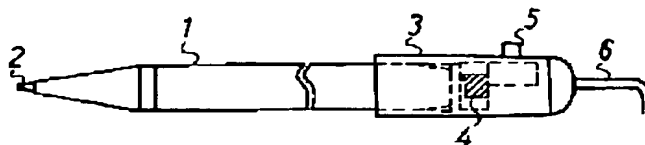
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TITLE : SYMBOL RECOGNITION METHOD  
FOR VIBRATION SENSOR TYPE  
SYMBOL INPUT DEVICE



ABSTRACT : PURPOSE: To improve the recognition performance of a symbol by finding a moving average value based on the vibration of a writing implement, and recognizing the input operation and classification of the symbol based on the moving average value.

CONSTITUTION: When the symbol is written with a writing implement 1, a vibration tone is generated by the friction of a pen point 2 with a medium such as a slip, etc. The vibration tone is detected by the vibration detecting part 4 of a pen cap part 3, and the reading of an input symbol is performed based on the vibration of the writing implement 1. In other words, the moving average value can be found by adding an arbitrary constant sequentially when the vibration of the writing implement 1 is detected, the moving average value is found without adding a constant when the vibration is not detected, and the input operation and classification of the symbol is recognized based on the moving average value. In this way, it is possible to surely and efficiently recognize many kinds of symbols.

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